N THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Linda G. Cima, et al.

Serial No.:

08/398.555

Group Art Unit:

Filed:

March 3, 1995

For:

CELL GROWTH SUBSTRATES WITH TETHERED

CELL GROWTH EFFECTOR MOLECULES

Assistant Commissioner for Patents Washington, D.C. 20231

RFCEIVEL DEU 2 I 1995 GHOUR 1800

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §1.56, Applicants cite the following publications, copies of which are enclosed. The publications marked with an asterisk are unavailable at the present time. Copies will be submitted as soon as they become available. Applicants believe that no fee is required for consideration of this Information Disclosure Statement. However, if a fee is required, the Assistant Commissioner is authorized to charge any fee to Deposit Account No. 01-2507.

U.S. Patent Documents

Patent No.	Issue Date	<u>Patentee</u>
4,060,081	11/29/77	Yannas, et al.
4,352,883	10/05/82	Lim
4.458,678	07/10/84	Yannas, et al.
4,485,097	11/27/84	Bell
4.520,821	06/04/85	Schmidt, et al.
5,171,264	12/15/92	Merrill
.5.275.838	01/04/94	Merrill

Filed: March 3, 1995

INFORMATION DISCLOSURE STATEMENT

Publications

"Peptide Growth Factors and Their Receptors I" M.B. Sporn and A.B. Roberts, eds. (Springer-Verlag, New York, 1990)*

"Protein immobilization: fundamentals and applications" Richard F. Taylor, ed. (M. Dekker, New York, 1991)

Cima and Langer, "Engineering Human Tissue" Chem. Eng. Prog. 89: 46-54 (1993)

Cima, et al., "Hepatocyte Culture on Biodegradable Polymeric Substrates," Biotechnology and Bioengineering 38: 145-158 (1991)

Engleberg and Kohn, "Physico-mechanical properties of degradable polymers used in medical applications: a comparative study," *Biomaterials* **12**: 292-304 (1991)

Freshney, Cell Culture, a manual of basic technique, Third Edition (Wiley-Liss, New York, 1994)*

Galloway et al., "Development of a Standard Protocol for In Vitro Cytogenetic Testing With Chinese Hamster Ovary Cells," *Environ. Mutagen.* 7: 1 (1985)

Gnanou et al., "Synthesis of star-shaped poly(ethylene oxide)," Makromol. Chemie 189: 2885-2892 (1988)

Haworth et al., "Salmonella Mutagenicity Test Results for 250 Chemicals," Environ. Mutagen. 5 (suppl. 1): 3 (1983)

Jauregui et al., "Attachment and Long Term Survival of Adult Rat Hepatocytes in Primary Monolayer Cultures: Comparison of Different Substrata and Tissue Culture Media Formulations." *In Vitro Cellular & Developmental Biology* 22: 13-22 (1986)

Kleinman, et al., "Use of Extracellular Matrix Components for Cell Culture," Analytical Biochemistry 166: 1-13 (1987)

Merrill, "Poly(ethylene oxide) star molecules: Synthesis, characterization, and applications in medicine and biology," *J. Biomater. Sci. Polymer Edn* **5**: 1-11 (1993)

Filed: March 3, 1995

INFORMATION DISCLOSURE STATEMENT

Mooney, et al., "Switching from Differentiation to Growth in Hepatocytes: control by Extracellular Matrix," *Journal of Cellular Physiology* **151**: 497-505 (1992)

Mortelmans, et al., "Mutagenicity Testing of Agent Orange Components and Related Chemicals," Toxicol. Appl. Pharmacol. 75: 137 (1984)

Myhr, et al., "Evaluation of Short-Term Tests for Carcinogens: Report of the International Programme on Chemical Safety's Collaborative Study on in vitro Assays", Progress in Mutation Research Series, vol. 5, pages 55-568, Ashby et al., Editors (Elsevier, Amsterdam, 1985)

Reddy, et al., "Proliferative Response of Fibroblasts Expressing Internalization-Deficient Epidermal Growth Factor (EGF) Receptors Is Altered via Differential EGF Depletion Effect," *Biotechnology Progress* 10: 377-384 (1994)

Sontag et al., "Guidelines for Carcinogen Bioassay in Small Rodents," U.S. Dep. Health Educ. Welfare Publ. (NIH) Carcinog. Tech. Rep. Serv. 1: 76 (1976)

Tomomura, et al., "The Control of DNA Synthesis in Primary Cultures of Hepatocytes from Adult and Young Rats: Interactions of Extracellular Matrix Components, Epidermal Growth Factor, and the Cell Cycle," J. of Cellular Physiology 30:221-227 (1987)

Vacanti et al., "Beyond Transplantation," Arch. Surg. 123: 545-549 (1988)

Remarks |

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Applicants invite the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the

Filed: March 3, 1995

INFORMATION DISCLOSURE STATEMENT

present application.

Respectfully submitted,

Patrea L. Pabst

Reg. No. 31,284

Date: November 30, 1995 Arnall Golden & Gregory 2800 One Atlantic Center 1201 West Peachtree Street Atlanta, GA 30309-3450 (404) 873-8794 (404) 873-8795 fax

Filed: March 3, 1995

INFORMATION DISCLOSURE STATEMENT

CERTIFICATE OF MAILING UNDER 37 CFR §1.8a

I hereby certify that this paper, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date shown below with sufficient postage as first-class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

- 5 -

Date: November 30, 1995